

***NATIONAL WEATHER SERVICE POLICY DIRECTIVE 10-5
OCTOBER 1, 2002***

***Operations and Services
PUBLIC WEATHER SERVICES***

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>.

OPR: OS22 (J. Lee)

Certified by: OS (G. Mandt)

Type of Issuance: Initial.

1. As the Nation grows, more segments of society are becoming increasingly dependent on information concerning the weather and weather hazards such as tornadoes, high winds, and winter storms. Timely and accurate weather forecasts and warnings are used by the public for critical decision-making and personal planning purposes. This directive governs the National Weather Service's (NWS) provision of public weather services to its customers and partners.
2. The objectives of the Public Weather Services Program are to provide public weather forecasts and warnings for the protection of life and property and to provide weather information for the Nation's economic well-being.
3. This directive establishes the following authorities and responsibilities:
 - 3.1 The Office of Climate, Water, and Weather Services (OCWWS) will:
 - a. Establish national policies and procedures for the provision of consistent NWS public forecast and warning services.
 - b. Consolidate, analyze, and oversee national performance and effectiveness indicators of public weather services.
 - c. Provide outreach to national customers to promote public weather services.
 - 3.2 The Office of Science and Technology will:
 - a. Plan, develop, demonstrate, and integrate scientific techniques and system capabilities for the Public Weather Services Program.
 - b. Formulate and maintain a public weather services research and development plan.
 - 3.3 The Office of Operational Systems will provide system engineering, software management, facilities engineering services, communications, and logistical services for operational weather systems supporting the Public Weather Services Program.

3.4 National Weather Service regional headquarters offices will:

- a. Ensure Weather Forecast Offices (WFOs) are organized, trained, and equipped to fulfill the Public Weather Services Program.
- b. Provide technical and operational assistance.
- c. Provide public weather requirements to OCWWS.
- d. Develop supplements to procedural directives.
- e. Ensure WFOs comply with Public Weather Services Program directives and regional supplements.
- f. Evaluate performance and effectiveness of the public weather services.

3.5 WFOs will:

- a. Provide public weather forecasts, statements, summaries, and related products for local service areas.
- b. Provide customer outreach to promote and assess the success of their Public Weather Services Program.

3.6 The National Centers for Environmental Prediction (NCEP) produce guidance and outlook and discussion products to support the Public Weather Services Program.

4. The NWS measures the effectiveness of the Public Weather Services Program using: Improvement over Aviation Model Output Statistics for maximum/minimum temperature and probability of precipitation for days one through seven; Tornado Warning and Severe Thunderstorm Warning lead time, probability of detection, and false alarm rates; and Winter Storm Warning lead time and probability of detection.

5. This Policy Directive is supported by the references and glossary of terms listed in Attachment 1.

<u>signed, John E. Jones, Jr., for</u>	<u>10/01/02</u>
John J. Kelly, Jr.	Date
Assistant Administrator	
for Weather Services	

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

Procedural Directives

Instruction 10-501, *WFO Statements, Summaries, Tables Products Specification*
Instruction 10-502, *National Statements, Summaries, Tables Products Specification*
Instruction 10-503, *WFO Public Weather Forecast Products Specification*
Instruction 10-504, *National Public Weather Forecast Products Specification*
Instruction 10-505, *Public Zone Change Process*
Instruction 10-506, *Public Digital Data Specification*
Manual 10-507, *Public Zone Boundaries, UGCs, and Maps*
Instruction 10-511, *WFO Severe Weather Products Specification*
Instruction 10-512, *National Severe Weather Products Specification*
Instruction 10-513, *WFO Winter Weather Products Specification*
Instruction 10-514, *National Winter Weather Products Specification*
Instruction 10-515, *WFO Non-Precipitation Weather Products Specification*
Instruction 10-516, *National Non-Precipitation Weather Products Specification*
Instruction 10-517, *Multi-Purpose Weather Products Specification*
Instruction 10-518, *Non-Weather Related Emergency Products Specification*

Terms

Public Weather Services Program - The collective activities undertaken by NWS headquarters, regional headquarters, and field offices (i.e., WFOs and the NCEP) to support and provide public weather services in the form of forecasts and associated products for the Nation.